IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/733,795	Examiner: Mitchell, Jason D.
Filed: December 11, 2003	Group/Art Unit: 2193
Inventor(s):	Atty. Dkt. No: 5681-76400
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Title: COMPUTER	
MANAGEMENT SYSTEM	

PROPOSED AMENDMENT

Dear Sir or Madam:

This paper is submitted as a proposed Examiner's amendment to put the application into condition for allowance.

Please consider the amendments as listed below.

IN THE CLAIMS:

The following is a proposed amendment to be made by the Examiner.

1. (Currently Amended) A management system for generation of a management object model including a structured hierarchy of objects representing hardware components of a computer system for performing management of the computer system, the management system comprising:

a processor; and

a memory coupled to the processor, wherein the memory comprises program instructions configured to implement:

component modules operable to define mappings from instrumentation of the hardware components to objects representing those hardware components, wherein one of said component modules for a hardware component identifies an instrumentation module defining a source of instrumentation for the hardware component, and wherein the instrumentation module comprises a general part and a specific part, the general part being operable to communicate with the specific part via a private interface to obtain instrumentation data, and the specific part being configured to interface with instrumentation for the hardware component to obtain said instrumentation data; and

configuration modules operable to configure associations between the component modules for the generation of the management object model.

2. (Previously Presented) The management system of Claim 1, wherein said component modules are operable to define mappings at respective different levels of abstraction.

3. (Previously Presented) The management system of Claim 2, wherein one of said component modules is operable to define a mapping for a single hardware component property at a first level of abstraction.

4.   (Previously Presented) The management system of Claim 2, wherein one of said component modules is operable to define a mapping for a set of hardware component properties forming an object at a second level of abstraction.

5.   (Previously Presented) The management system of Claim 2, wherein one of said component modules is operable to define a mapping for an assembly of associated objects at a third level of abstraction.

6.   (Previously Presented) The management system of Claim 1, wherein one of said component modules for a hardware component defines a behavior of the object representing the hardware component.

7.   (Previously Presented) The management system of Claim 1, wherein one of said configuration modules is operable to configure one of said component modules dynamically at run time for one of said hardware components that is subject to dynamic changes in status and is further operable to monitor said hardware component for a change in status.

8.   (Previously Presented) The management system of Claim 1, wherein one of said configuration modules is operable to configure one of said component modules statically at run time for one of said hardware components having static properties for a given invocation of the computer system.

9.   (Previously Presented) The management system of Claim 1, wherein one of said configuration modules is operable to configure one of said component modules fixedly at run time for one of said hardware components having fixed properties for any invocation of the computer system.

10.   (Original) The management system of Claim 1, comprising a library of component modules.

11. (Previously Presented) The management system of Claim 1, wherein one of said component modules comprises a plug-in module.

12. (Cancelled).

13. (Currently Amended) The management system of Claim [[12]] 1, wherein the instrumentation module exports an object-based representation of the instrumentation data via an instrumentation interface.

14. (Cancelled).

15. (Currently Amended) The management system of Claim [[14]] 1, wherein the general part and the specific part are local to each other.

16. (Currently Amended) The management system of Claim [[14]] 1, wherein the specific part is remote from the general part, the general part being operable to communicate with the remote part via a remote access mechanism.

17. (Currently Amended) The management system of Claim [[12]] 1, further comprising a library of instrumentation modules.

18. (Currently Amended) The management system of Claim [[12]] 1, wherein one of said instrumentation modules comprises a plug-in module.

19. (Original) The management system of Claim 1, wherein the management system forms a management agent for remote management of a computer system.

20. (Cancelled).

21. (Currently Amended) A method for generating a management object model including a structured hierarchy of objects representing hardware components of a

computer system for performing management of the computer system, the method comprising:

component modules defining mappings from instrumentation of the hardware components to objects representing those hardware components, wherein one of said component modules for a hardware component identifies an instrumentation module defining a source of instrumentation for the hardware component;

a general part of the instrumentation module communicating with a specific part of the instrumentation module via a private interface to obtain instrumentation data, and the specific part interfacing with instrumentation for the hardware component to obtain said instrumentation data; and

configuration modules configuring associations between the component modules for the generation of the management object model.

22.   (Currently Amended) The method of Claim 21, comprising the component modules defining mappings at respective different levels of abstraction.

23.   (Previously Presented) The method of Claim 22, comprising one of said component modules defining a mapping for a single hardware component property at a first level of abstraction.

24.   (Previously Presented) The method of Claim 22, comprising one of said component modules defining a mapping for a set of hardware component properties forming an object at a second level of abstraction.

25.   (Previously Presented) The method of Claim 22, comprising one of said component modules defining a mapping for an assembly of associated objects at a third level of abstraction.

26.   (Previously Presented) The method of Claim 21, comprising one of said component modules for a hardware component defining a behavior of the object representing the hardware component.

27.   (Previously Presented) The method of Claim 21, comprising one of said configuration modules configuring one of said component modules dynamically at run time for one of said hardware components that is subject to dynamic changes in status and monitoring said hardware component for a change in status.

28.   (Previously Presented) The method of Claim 21, comprising one of said configuration module configuring one of said component modules statically at run time for one of said hardware components having static properties for a given invocation of the computer system.

29.   (Previously Presented) The method of Claim 21, comprising one of said configuration modules configuring one of said component modules fixedly at run time for one of said hardware components having fixed properties for any invocation of the computer system.

30.   (Cancelled).

31.   (Currently Amended) The method of Claim [[30]] 21, comprising the instrumentation module exporting an object-based representation of the instrumentation data via an instrumentation interface.

32.   (Cancelled).

33.   (Currently Amended) The method of Claim [[32]] 21, wherein the general part and the specific part are local to each other.

34.   (Currently Amended) The method of Claim [[32]] 21, wherein the specific part is remote from the general part, the general part being operable to communicate with the remote part via a remote access mechanism.

35.   (Currently Amended) A computer readable storage medium comprising a computer program for generation of a management object model including a structured hierarchy of objects representing hardware components of a computer system for performing management of the computer system, the computer program including computer-executable instructions, which, when loaded onto the computer system comprising a processor and a memory, provide component modules operable to:

define mappings from instrumentation of the hardware components to objects representing those hardware components, wherein one of said component modules for a hardware component identifies an instrumentation module defining a source of instrumentation for the hardware component, and wherein the instrumentation module comprises a general part and a specific part, the general part being operable to communicate with the specific part via a private interface to obtain instrumentation data, and the specific part being configured to interface with instrumentation for the hardware component to obtain said instrumentation data; and

wherein the computer-executable instructions further provide configuration modules operable to configure associations between the component modules for the generation of the management object model.

36. – 37. (Cancelled).

38. (New) The computer readable storage medium of Claim 35, wherein said component modules are operable to define mappings at respective different levels of abstraction.

39. (New) The computer readable storage medium of Claim 38, wherein one of said component modules is operable to define a mapping for a single hardware component property at a first level of abstraction.

40. (New) The computer readable storage medium of Claim 38, wherein one of said component modules is operable to define a mapping for a set of hardware component properties forming an object at a second level of abstraction.

41. (New) The computer readable storage medium of Claim 38, wherein one of said component modules is operable to define a mapping for an assembly of associated objects at a third level of abstraction.

REMARKS

Applicant is in receipt of the Office Action mailed December 11, 2008. Applicant proposes cancelling claims 12, 14, 20, 30, 32, 36, and 37, amending claims 1, 13, 15-18, 21, 22, 31, 33, 34, and 35, and adding new claims 38-41, thus leaving claims 1-11, 13, 15-19, 21-29, 31, 33-35, and 38-41 pending in the case. Reconsideration of the present case is earnestly requested in light of the following remarks.

Allowed Subject Matter

Applicant appreciates the allowance of the subject matter of claims 14-16 and 32-34, and had decided to accept the allowed subject matter. Per discussion with the Examiner, the subject matter of claim 14, which depends from claim 13, which depends from claim 12, does not technically require the subject matter of claim 13. Applicant has thus proposed amending claim 1 to include the subject matter of claims 12 and 14, and similarly proposed amending independent claims 21 and 35 accordingly, cancelling the appropriate dependent claims, and amending others of the dependent claims to correct dependencies. Applicant has also added new dependent claims from claim 35, due to cancellation of other dependent claims.

Applicant believes that the above amendments would put the case into condition for allowance, and respectfully requests an Examiner's amendment accordingly.

If the Examiner has any questions or issues to discuss, Applicant requests that the Examiner contact Applicant's representative at 512.853.8825 or mwilliams@intprop.com.

CONCLUSION

Applicant submits the application is in condition for allowance, and an early notice to that effect is requested.

If any extensions of time (under 37 C.F.R. § 1.136) are necessary to prevent the above-referenced application(s) from becoming abandoned, Applicant(s) hereby petition for such extensions. The Commissioner is hereby authorized to charge any fees which may be required or credit any overpayment to Meyertons, Hood, Kivlin, Kowert & Goetzel P.C., Deposit Account No. 50-1505/5681-76400/JCH.

Respectfully submitted,

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